



TIMBER SALE PRESCRIPTION

GENERAL

Date 11/19/12	Forest, Mineral and Fire Management Unit Sault Ste. Marie
Timber Sale Number (if applicable) 45-002-13-01	Sale Name (or prescription name) Fork Horn Hardwood

LOCAL CONTACT

Name Jason Caron	Telephone (906) 635 - 5281
Email Address caronj1@michigan.gov	FAX (906-) 635 - 5282

Map of Project Area Attached

LEGAL DESCRIPTION

T42N R6E Section(s) 30 Description see map

Year of Entry: 2014 Compartment(s):9 Stand Number(s): 16

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 36 Source: OI GPS Other IFMAP

Payment will be made on the basis of these estimated acres.

TREATMENT & OBJECTIVE

STAND #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
16	M9	36	81-110	Selection	Northern hardwoods

PRESCRIPTION

1. Mark trees to be cut to 80 square feet Basal Area residual.
2. Do not mark oak, aspen, yellow birch, basswood, ironwood or any softwoods.
3. Leave best tree in place, regardless of species.
4. To lower basal area focus on beech. See "special marking instructions" below.
5. Marked trees should focus on Crop Tree Release.
6. Some larger diameter trees should be retained for wildlife.
7. Leave obvious nest or den trees. Snags and poor health trees should be retained for wildlife.
- 8.
- 9.
- 10.

Access Drummond Island, head East on E. Johnswood Road (M-134), turn North on two track just before S. Socia Road.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
East and West private line (blue line)	01/31/2013
Red line	11/01/2012

CONTRACT WORK CAN BEGIN

Immediately Date: 03/01/2013

CONTRACT WORK MUST BE COMPLETED BY Date 08/31/2013

PAINT LINE WORK

This is included in the bid This is not included in the bid

Paint line work to be performed: (See attached map for locations)

TYPE OF LINE	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR	
Private boundary	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Blue	<input type="checkbox"/> Other:
Sale boundary	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Red	<input type="checkbox"/> Other:
Sale cutting unit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Yellow	<input type="checkbox"/> Other:
Stand type line	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other:

Exclusions to mark and why

Standards for marking lines against private land

AREA CALCULATION

This is included in the bid This is not included in the bid

UNIT	METHOD	STANDARD
Sale	<input type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	
Payment Unit	<input type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	
Stand	<input type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	

Special Instructions:

TIMBER CRUISING SPECIFICATIONS

This is included in the bid This is not included in the bid

Required Basal Area Factor: 10 20 Other:

Cruise Line Directions

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
Pulp	1	3 X 3
		X
		X
		X
TOTAL NUMBER OF CRUISE POINTS	36	

Cruise Special Instructions:

Hardwood pulp must be cruised after the entire sale has been marked. Identify each plot location with a plot numbered ribbon tied to a branch and a ribbon in the ground at plot center. When cruising the pulp also do your residual basal area checks to insure the proper number of trees have been marked within the stand.

Unless otherwise specified, the tally sheets used must be those supplied by the Forest, Mineral and Fire Management Unit.

TIMBER MARKING SPECIFICATIONS

This is included in the bid This is not included in the bid

Precise specifications to be delineated at pre-work meeting with DNR staff

Total Merchantable Residual BA (Basal Area): 80 (Minimum 70 to Maximum 90)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre		1	1/10 th acre
Girdled Trees Per Acre			
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	An "X" w/ dots	12	10
Sawbolts			
Pulpwood	two slashes	5	4

TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR
Trees marked to leave	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Green <input type="checkbox"/> Other
Trees marked to cut	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Orange <input type="checkbox"/> Other

TALLY INTENSITIES	
SPECIES / PRODUCT	RATIO
Hardwood logs	1 : 1
	1 :
	1 :
	1 :

SPECIAL MARKING INSTRUCTIONS

Mark to cut with orange paint. Mark log trees with an X on both sides of the tree and paint dots per log. Mark pulp with a slash on both sides of the tree. Stump marks must be a vertical slash at the base of the tree that extends into the soil.

Beech Bark Disease has been found within the stand. Rough barked Beech and trees with the disease shall be marked for removal. Retain at least 2-3 beech per acre, especially the smooth barked trees or trees that do not have beech scale on them. Refer to the "American Beech Mgmt. Guidelines" at www.michigan.gov for more specifics.

Some areas within the stand may already be close to 80 BA due to dead trees or low stocking. In these areas only target diseased beech if present and count these areas as your regeneration gap.

Unless otherwise specified, the tally sheets used must be those provided by the Forest, Mineral and Fire Management Unit.

RESTRICTIONS

1. Forest, Mineral and Fire Management Division must to be able to identify who did what on the timber sale.
2. The contractor may not have more than two markers in one payment unit without prior approval.
3. Each marker should have an assigned area to mark (not strips).

PAINT

1. Call Jason at (906) 635 - 5281 x56168, to make arrangements for paint.
2. Paint will be supplied from the Sault Ste Marie office.
3. Contractor's work schedule must coincide with the DNR work schedule for paint supply.
4. The DNR will not be available on weekends or evenings.

DELIVERABLES

1. A list of names that marked or cruised each payment unit.
2. A summary of paint used (in quarts).
3. Tally summaries for each payment unit (one summary, regardless of the number of markers) and all of the original tally sheets.
4. GPS files for any GPS work.